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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number

09/326,285

Filing Date

June 7, 1999

First Named Inventor

Jennie Bih-Jien Shen

Group Art Unit

1638

Examiner Name

J. Einsmann

Total Number of Pages in This Submission

Attorney Docket Number

BB-1137

ENCLOSURES (check all that apply)

Fee Transmittal Form

Assignment Papers
(for an Application)

After Allowance Communication
to Group

Fee Attached

Drawing(s)

Appeal Communication to Board of
Appeals and Interferences

Amendment / Response

Licensing-related Papers

Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief)

After Final

Petition

Proprietary Information

Affidavits/declaration(s)

Petition to Convert to a
Provisional Application

Status Letter

Extension of Time Request

Power of Attorney, Revocation
Change of Correspondence Address

Other Enclosure(s) (please
identify below):
copies of previously cited refs.(19)

Express Abandonment Request

Terminal Disclaimer

Information Disclosure Statement

Request for Refund

Certified Copy of Priority
Document(s)

CD, Number of CD(s)

Response to Missing Parts/
Incomplete Application

Remarks

Response to Missing
Parts under 37 CFR
1.52 or 1.53

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm
or
Individual name

Lynne M. Christenbury

Signature

Lynne M. Christenbury

Date

March 30, 2001

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

JENNIE BIH-JIEN SHEN

CASE NO.: BB1137

APPLICATION NO.: 09/326,285

GROUP ART UNIT: 1638

FILED: JUNE 7, 1999

EXAMINER: J. EINSMANN

FOR: GENES FOR DESATURASES TO ALTER
LIPID PROFILES IN CORN**SUPPLEMENTAL PRELIMINARY AMENDMENT**Assistant Commissioner for Patents
Washington, DC 20231

Sir:

This is submitted to facilitate prosecution of the above-identified application.

In the Claims

Kindly add the following new claims:

*Sub
D1*

172. (once amended) A method of improving the carcass quality of an animal by feeding the animal a carcass quality improving amount of animal feed derived from the processing of corn grain obtained from a corn plant or plant part which comprises a chimeric gene selected from the group consisting of:

B1

(i) a chimeric gene comprising an isolated nucleic acid fragment encoding a corn delta-9 stearoyl ACP desaturase wherein said desaturase has an amino acid sequence identity of at least 80% based on the Clustal method of alignment when compared to a second polypeptide selected from SEQ ID NOS:9 or 11, or a functionally equivalent subfragment thereof, or the reverse complement of either the fragment or subfragment, operably linked to suitable regulatory sequences;

(ii) a chimeric gene comprising (a) an isolated nucleic acid fragment encoding a corn delta-9 stearoyl ACP desaturase wherein said desaturase has an amino acid sequence identity of at least 80% based on the Clustal method of alignment when compared to a second polypeptide selected from SEQ ID NOS:9 or 11, or a functionally equivalent subfragment thereof, or the reverse complement of either the fragment or subfragment, and (b) an isolated nucleic acid fragment comprising a corn oleosin promoter wherein said promoter can be full length or partial and said promoter: (1) comprises a nucleotide sequence having a sequence identity of at least 80% based on the Clustal method of alignment when compared to the nucleotide sequence in any of SEQ ID NOS:19 or 38-49 or (2) the isolated nucleic acid fragment comprising a full length or partial corn oleosin promoter hybridizes to the nucleotide